

**Fig. 1**

250

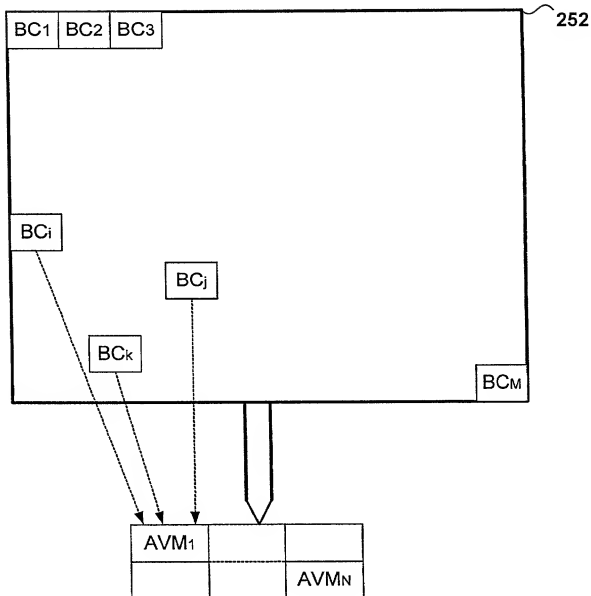
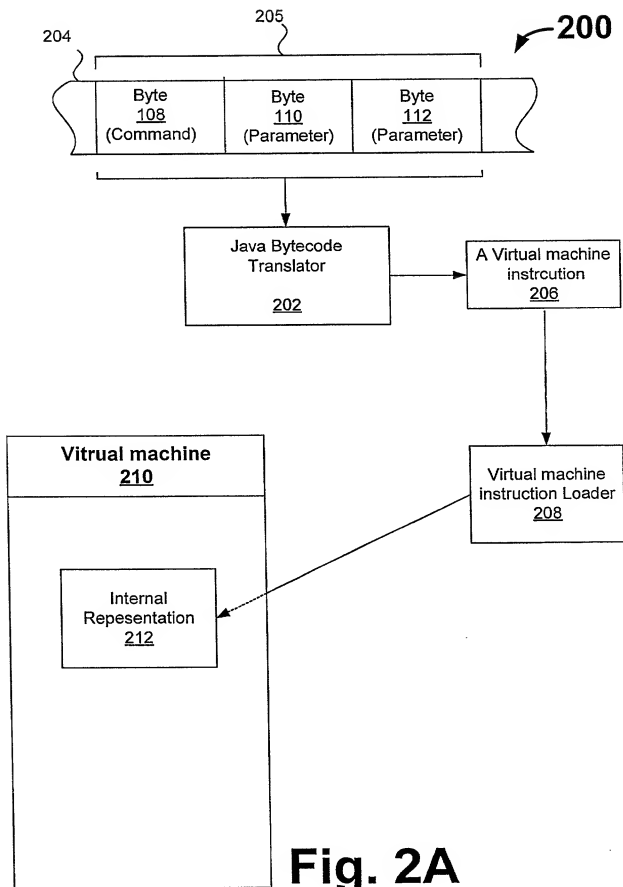


Fig. 2B



300

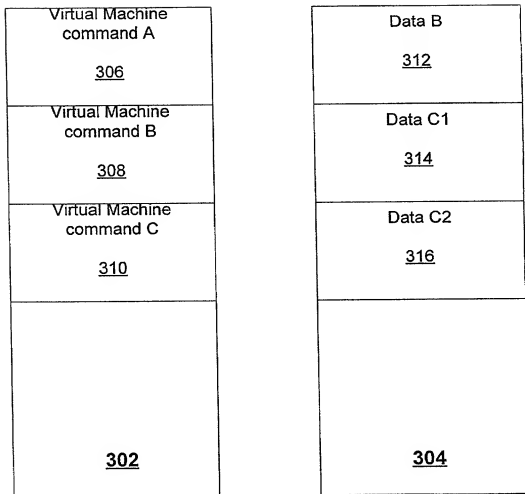
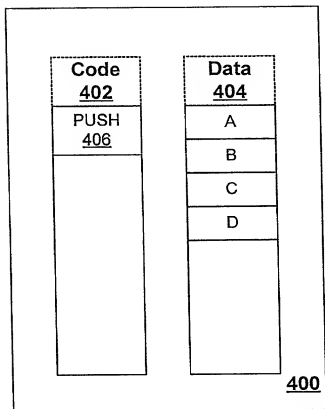


Fig. 3

Fig. 4A



**Fig. 4A**

**400**

<b>PUSH</b>
fconst_0
fconst_1
fconst_2
sipush
ldc
ldc_w

**Fig. 4B**

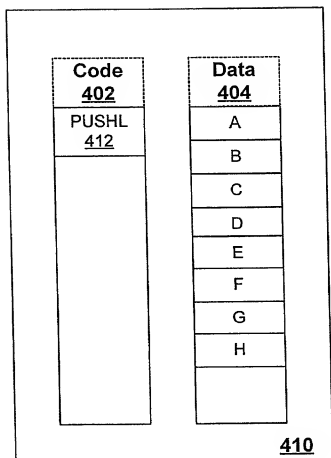
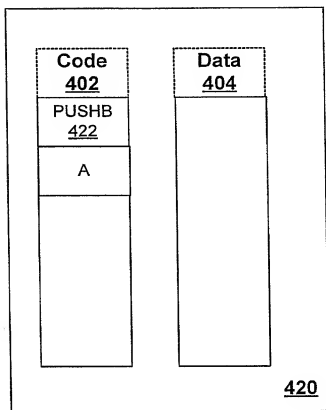


Fig. 4C

OP_PUSHL
lconst_0
lconst_1
dconst_0
dconst_1
ldc2_w

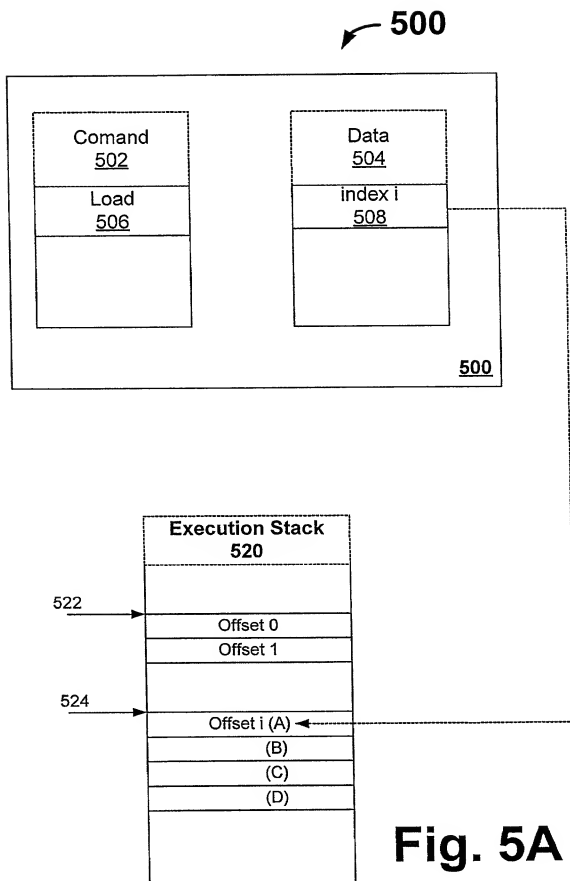
Fig. 4D



**Fig. 4E**

PUSHB
aconst_null
iconst_m1
iconst_0
iconst_1
iconst_2
iconst_3
iconst_4
iconst_5
bipush

**Fig. 4F**





LOAD

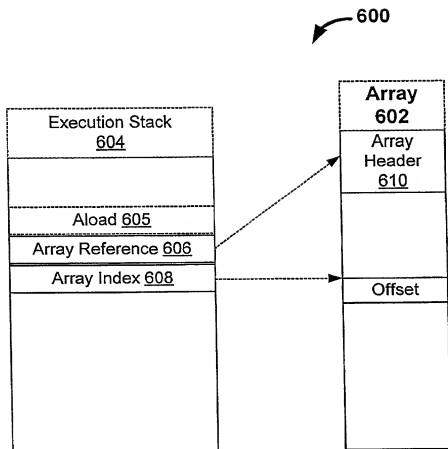
iload
fload
aload
iload_0
iload_1
iload_2
iload_3
fload_1
fload_2
fload_3
aload_0
aload_1
aload_2
aload_3

**Fig. 5B**

LOADL

lload
dload
lload_0
lload_1
lload_2
lload_3
fload_0
dload_0
dload_1
dload_2
dload_3

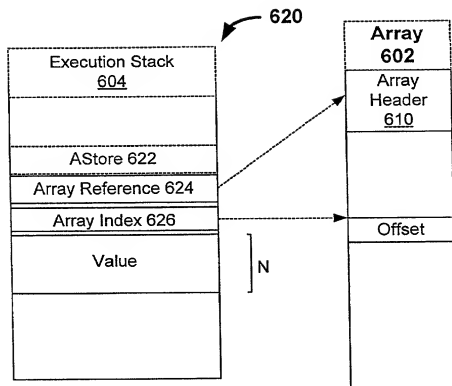
**Fig. 5C**



**Fig. 6A**

ALOAD
iaload
laload
faload
daload
aaload
baload
caload
saload

**Fig. 6B**



**Fig. 6C**

ASTORE	
iastore	
fastore	
aastore	
bastore	
castore	
sastore	

**Fig. 6 D**

ASTOREL	
lastore	
dastore	

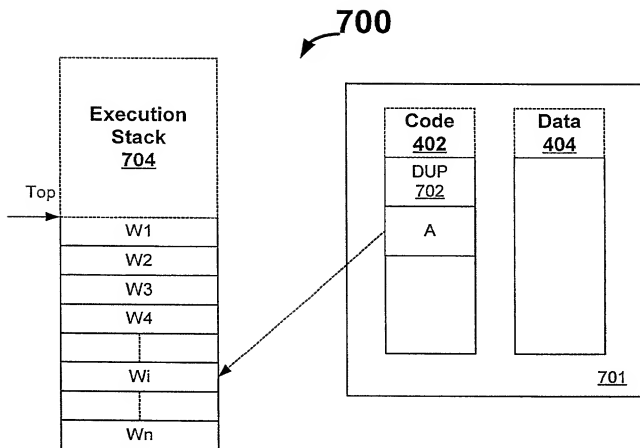
**Fig. 6 E**

lcmp	OP_LSUB, OP_JMPEQ
fcmpl	OP_FSUB, OP_JMPLE
fcmpg	OP_FSUB, OP_JMPGE
dcmpl	OP_DCOMP, OP_JMPLE
dcmpg	OP_DCOMP, OP_JMPGE

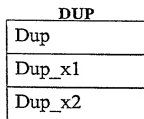
**Fig. 6F**

if_icmpeq	OP_ISUB, OP_JMPEQ
if_icmpne	OP_ISUB, OP_JMPNE
if_icmplt	OP_ISUB, OP_JMPLT
if_icmpge	OP_ISUB, OP_JMPGE
if_icmpgt	OP_ISUB, OP_JMPGT
if_icmple	OP_ISUB, OP_JMPLE
if_acmpeq	OP_ISUB, OP_JMPEQ
if_acmpne	OP_ISUB, OP_JMPNE

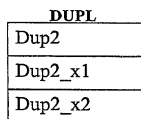
**Fig. 6H**



**Fig. 7A**



**Fig. 7B**



**Fig. 7C**

RETURN
Ireturn
Freturn
Areturn

LRETURN
Lreturn
Dreturn

NEW
New
Newarray
Anewarray
Multianewarray

**Fig. 8A**

**Fig. 8B**

**Fig. 9**